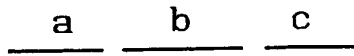
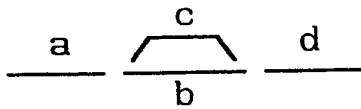


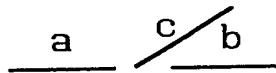
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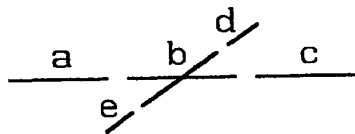
A station on a single line is modelled as a single track segment b. The set of possible movements on this network are (abc, cba).



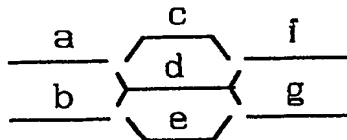
A loop on a single line is modelled as a pair of track segments b and c. The set of possible movements is (abd, acd, dba, dca).



A junction can be modelled without additional tracks. The set of possible movements is (ab, ac, ba, ca).



A diamond crossing requires an additional track segment b, to be defined.



A centre refuge can be modelled using three track segments c, d, and e. If the refuge is on a double line then the set of movements is (acf, adf, gdb, geb).

Figure 1: track segments

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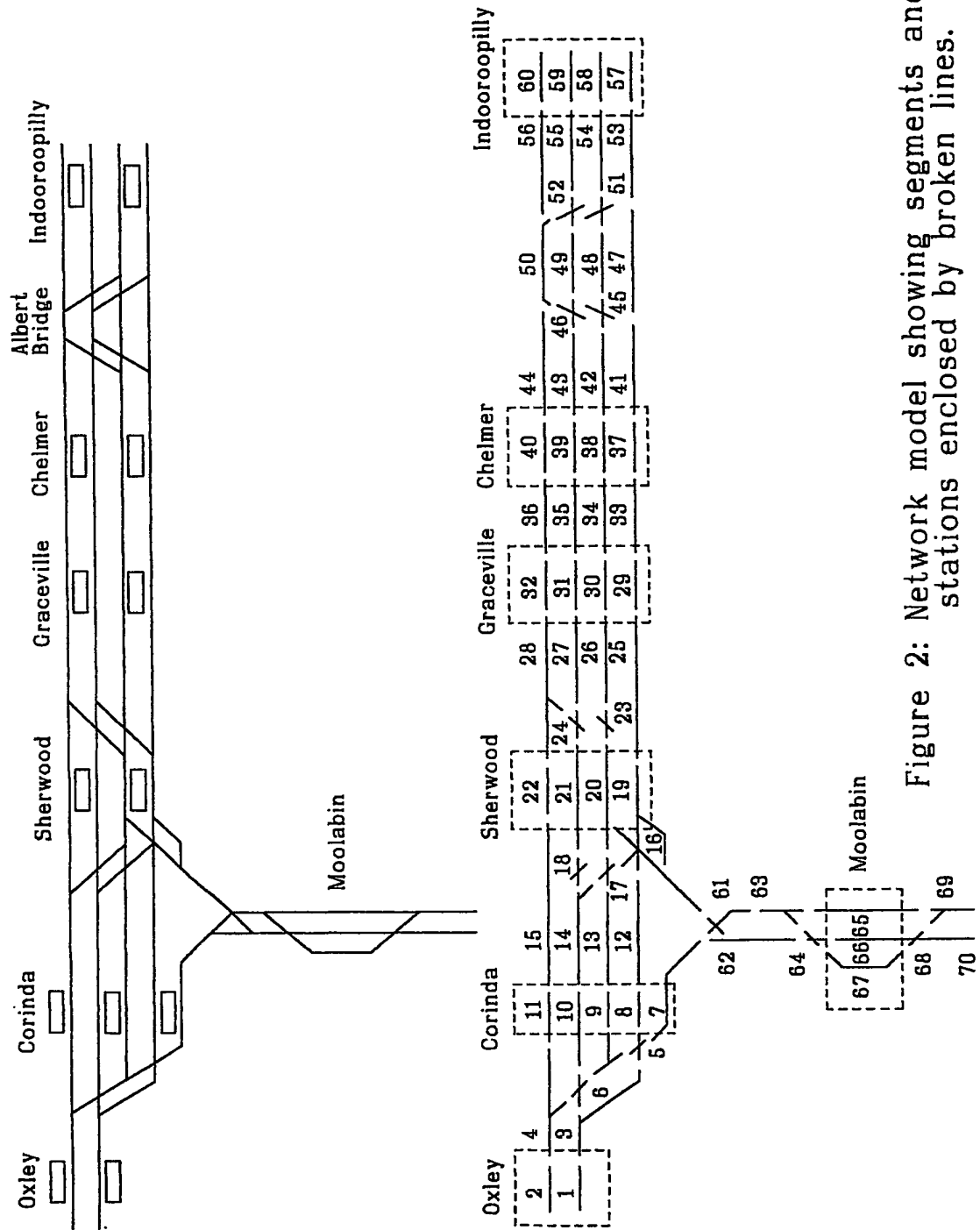


Figure 2: Network model showing segments and stations enclosed by broken lines.

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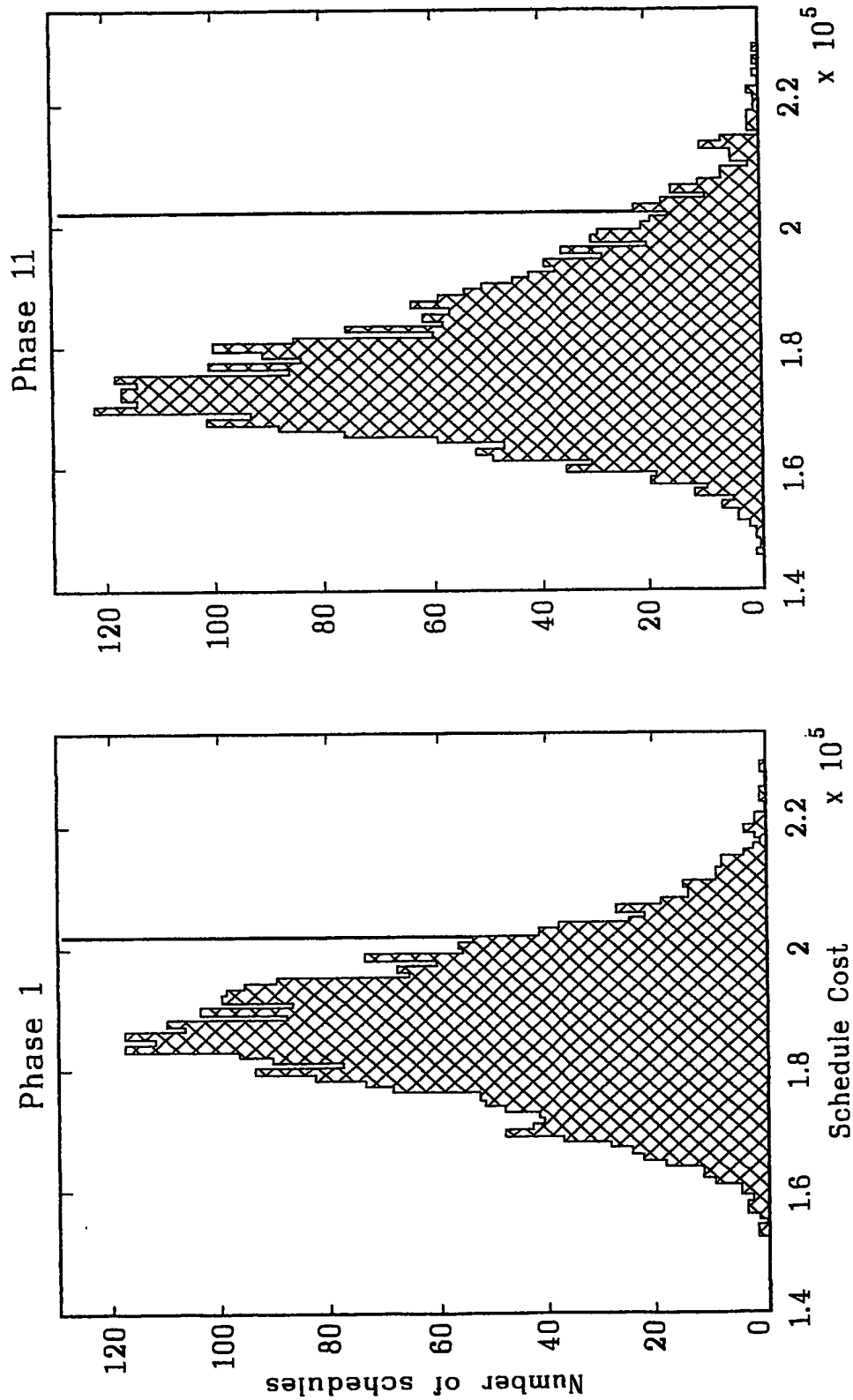


Figure 3: Results for the North Coast railway corridor.

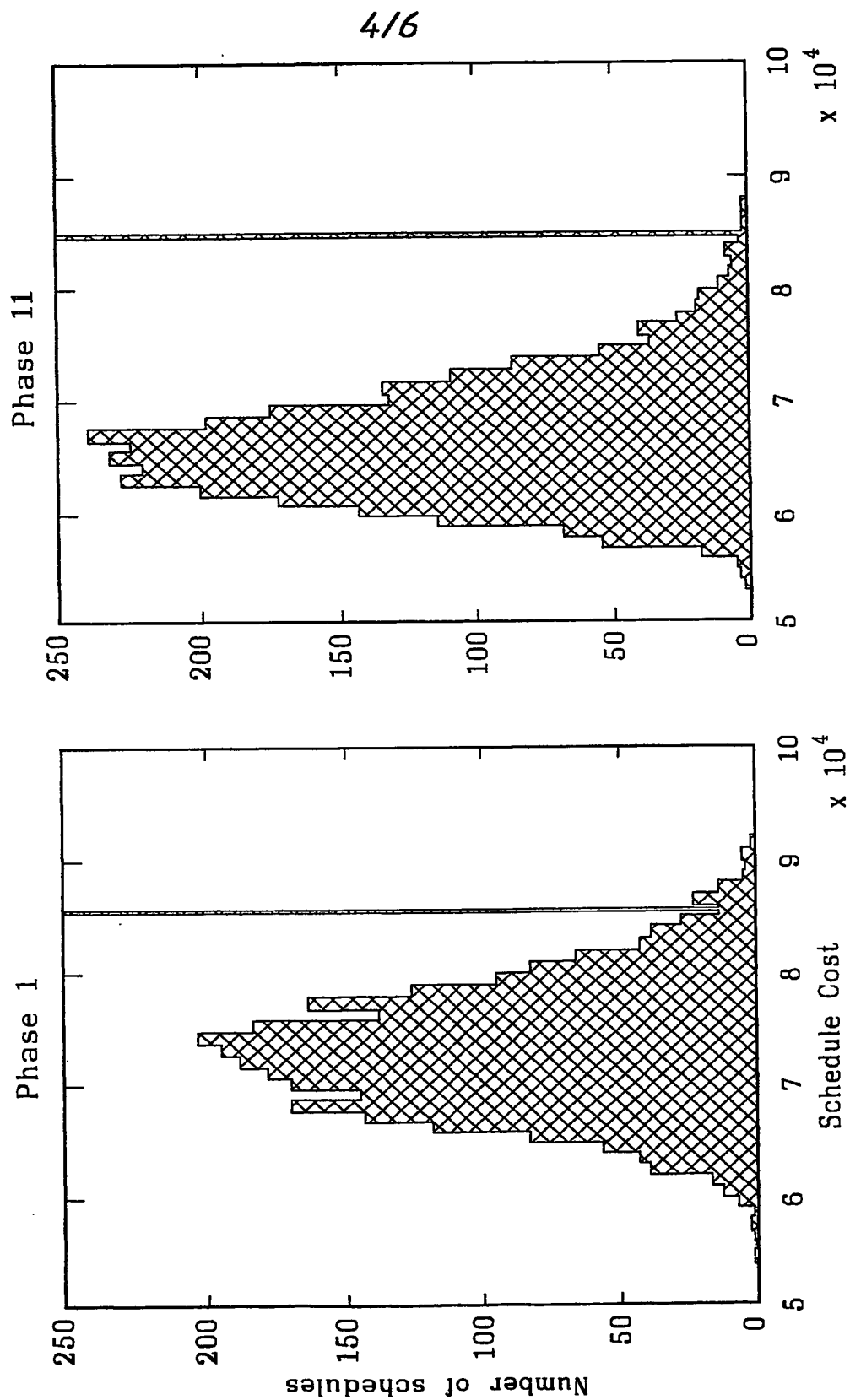


Figure 4: Results for the Sydney - Melbourne railway corridor.

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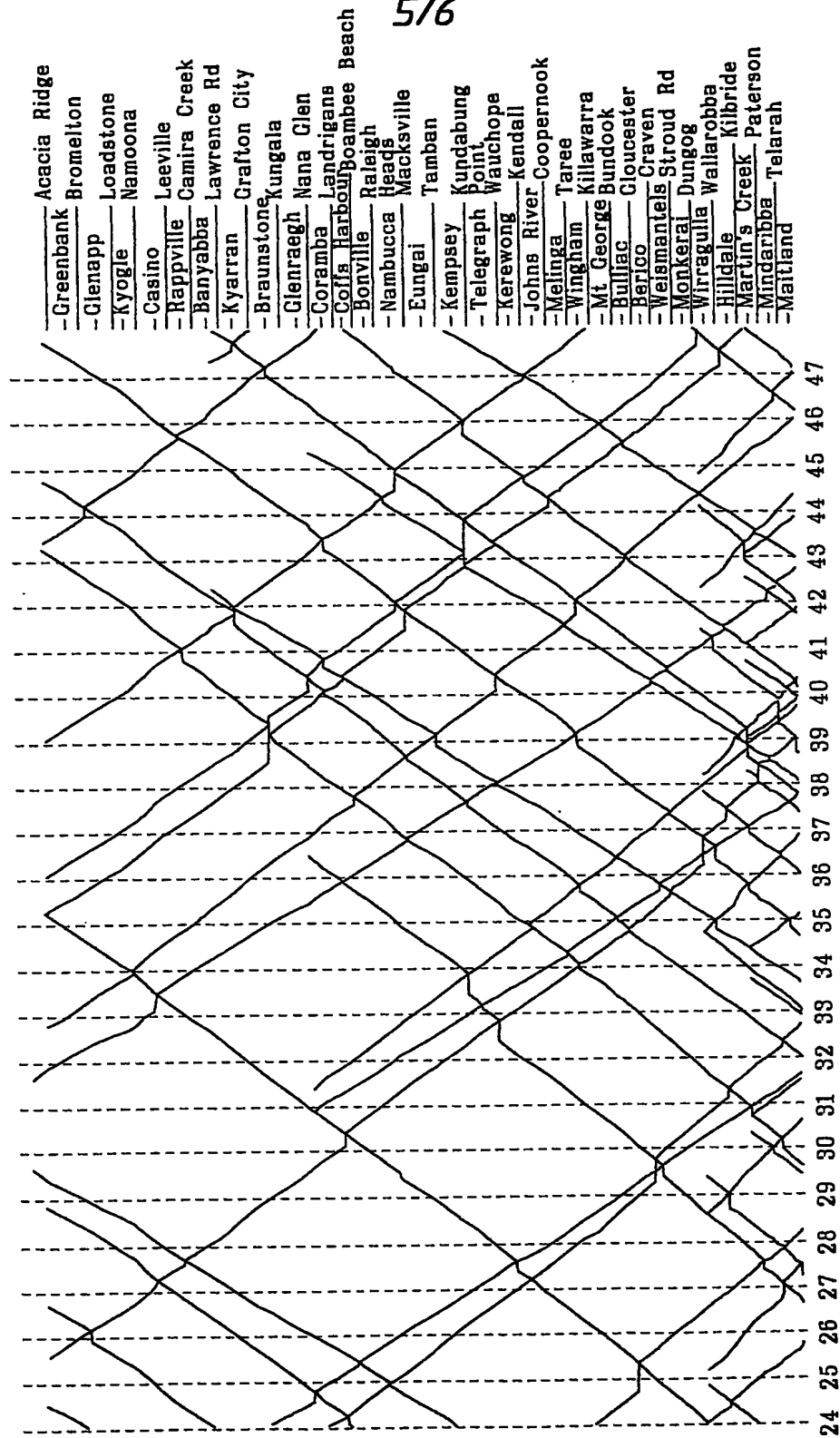


Figure 5: Crossing schedule for the North Coast rail corridor.

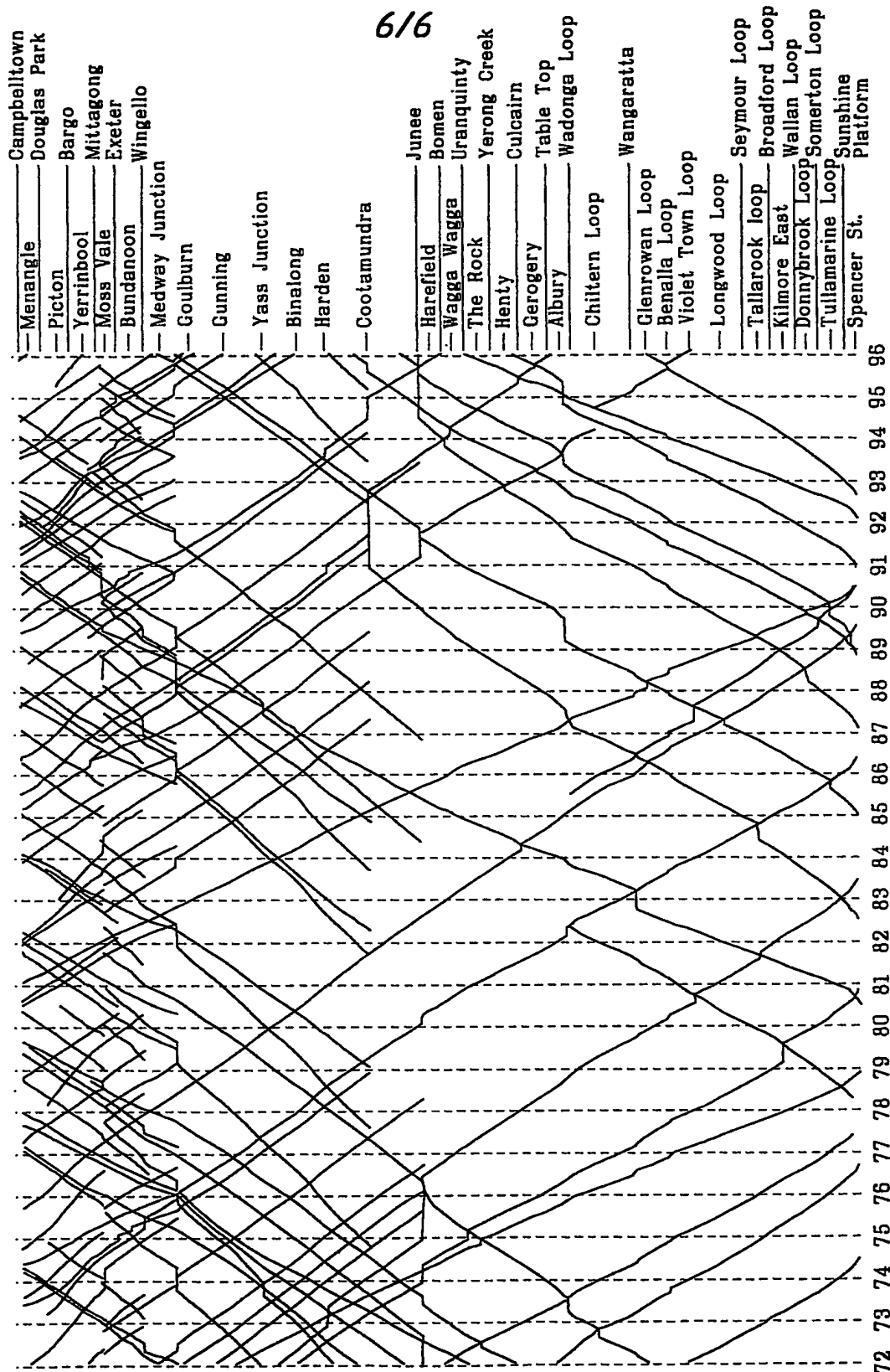


Figure 6: Crossing schedule for the
Sydney - Melbourne rail corridor.